

Title (en)

Gas turbine measured thrust correction

Title (de)

Schubmessungskorrektur für Gasturbinenmotor

Title (fr)

Correction de la mesure de poussée d'une turbine a gaz

Publication

EP 1327750 A3 20041229 (EN)

Application

EP 03250209 A 20030114

Priority

GB 0200809 A 20020115

Abstract (en)

[origin: EP1327750A2] A method for determining the free-field thrust of a gas turbine engine using an enclosed gas turbine engine test facility without recourse to an outdoor gas turbine engine test facility. The method includes the steps of calculating the gas turbine engine intake momentum drag and cradle drag generated and compensating for these losses. In a further embodiment the base drag is calculated and also compensated for.

IPC 1-7

F01D 21/00; **G01L 5/13**

IPC 8 full level

F01D 21/00 (2006.01); **F01D 25/28** (2006.01); **G01L 5/13** (2006.01)

CPC (source: EP US)

F01D 21/003 (2013.01 - EP US); **F01D 25/285** (2013.01 - EP US); **G01L 5/133** (2013.01 - EP US); **F05D 2200/11** (2013.01 - EP US); **F05D 2200/211** (2013.01 - EP US); **F05D 2200/221** (2013.01 - EP US)

Citation (search report)

- [XY] GB 2132367 A 19840704 - ROLLS ROYCE
- [Y] US 3233451 A 19660208 - RUSS DANIEL G
- [Y] US 2941399 A 19600621 - BERSINGER EVERITT V

Cited by

CN102393305A; RU2765516C1; EP2982957A1; EP3647552A1; CN111140373A; EP1860416A3; EP3454034A1; FR3070761A1; US11002624B2; US11236635B2; WO2016020079A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)

EP 1327750 A2 20030716; **EP 1327750 A3 20041229**; **EP 1327750 B1 20080402**; CA 2415983 A1 20030715; CA 2415983 C 20100504; DE 60320052 D1 20080515; DE 60320052 T2 20090604; GB 0200809 D0 20020306; GB 2384058 A 20030716; GB 2384058 B 20051130; US 2003177824 A1 20030925; US 6851303 B2 20050208

DOCDB simple family (application)

EP 03250209 A 20030114; CA 2415983 A 20030109; DE 60320052 T 20030114; GB 0200809 A 20020115; US 33480303 A 20030102